

**Before the  
Federal Communications Commission  
Washington, D.C. 20554**

|  |   |                      |
|--|---|----------------------|
| In the Matter of                                 | ) |                      |
|  | ) |                      |
| Notice of Proposed Rulemaking                    | ) |                      |
| 18 FCC Rcd 13187, 13188 ¶1 (2003)                | ) | ET Docket No. 03-137 |
|  | ) |                      |
| And  | ) |                      |
|  | ) |                      |
| Service Rules for the Advanced Wireless Services | ) | WT Docket No. 12-357 |
| H Block---Implementing Section 6401 of the       | ) |                      |
| Middle Class Tax Relief and Job Creation Act of  | ) |                      |
| 2012 Related to the 1915-1920 MHz and            | ) |                      |
| 1995-2000 MHz Bands ¶53 footnote 95              | ) |                      |

To: Office of the Secretary  
Federal Communications Commission  
Washington, DC 20554

[Personal] Public Comment Filed by:

Susan Brinchman

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February 6, 2013

**PERSONAL AFFIDAVIT OF Susan Brinchman, Center for Electrosmog  
Prevention,  
La Mesa, CA**

State of California

San Diego County

I, Susan Brinchman, attest that my statements are true to the best of my knowledge.

**Comment** round for ET Docket No. 03-137 and WT Docket No. 12-357.

1. My name is Susan Brinchman . My address is PO Box 655, La Mesa, CA 91944.
2. FCC Guidelines for radiofrequency (RF) radiation (RFR) exposures are 3.5 million times higher than recommendations by independent researchers. The inaccurate FCC rf radiation guidelines and wanton allowances of the use of RF radiation frequencies not proven safe have led to personal and national disaster with the wireless 'smart' grid.
3. Blog Article about my experience with smart meters for the first 1.25 years:

**Living Nightmare: How SDG&E Smart Meter Led to Headaches, Hearing Loss**

Posted on August 14, 2011 at 10:36 pm on La Mesa Patch

by Susan Brinchman

[http://lamesa.patch.com/blog\\_posts/living-nightmare-how-sdge-smart-meters-led-to-my-headaches-sleeping-ills-hearing-loss](http://lamesa.patch.com/blog_posts/living-nightmare-how-sdge-smart-meters-led-to-my-headaches-sleeping-ills-hearing-loss)

(Note: update as of Feb. 6, 2012 follows this article, on this Public Comment)

One day in the middle of May 2010, SDG&E workers came to my La Mesa home to install a new meter for both my gas and electric service. They did the same for my

neighbors. I remember their trucks and the boxes on the sidewalk. How quickly they did it and left. How we turned off our computer and TV to prevent a power surge.

*When we least expect it, life sets us a challenge, it is sometimes said.*

I really didn't pay much attention to these installations, assuming that they were similar to the old ones, just digital. Boy, was I wrong. As an active, retired educator, I never expected that the challenge would come in the form of harmful radiation coming from these new utility "smart" meters installed by SDG&E. But that is just what has happened.

Please note that everyone in our county and throughout SDG&E's territory had these installed in the past year and a half, except for a handful of people. None of us were told of any risks.

Shortly after, when I began to have ringing ears and sleeplessness, I wondered why but kept thinking it would disappear. I'd hear ringing in my ears no matter what time of day. Even in the night, and it would be more apparent when it was quiet, it seemed.

At night, I'd wake up suddenly around 2:00 or 2:30 AM, the same time every night, wide awake, and have trouble getting back to sleep for several hours. Some nights I didn't sleep much at all, just a couple of hours.

This was also occurring to other members of the household, at times. There were peculiar symptoms that some of us experienced that we could not explain but was making life very complicated.

Last summer was a rough time as a result. There were some headaches. I spent time reading in my room, something I like to do to relax. By fall, things didn't get any better, but worse.

Add to the list, by October, a rapidly growing skin cancer on my face, looked like a largish pencil eraser, you could practically watch it grow ... and it hurt.

The doctors took a bit of time to schedule me in and removed it in January — cut it out, leaving a scar. By the end of November, I noticed in addition to the ringing ears and other symptoms, that I suddenly was extremely nauseous, dizzy, and developing headaches when I used my computer or cell phone.

I'd always kept a good distance from the cell phone for safety sake, used speaker mode, but that wasn't helping.

In frustration, I called a local environmental doctor I'd seen for a workplace mold exposure many years before. I remembered he knew something about electro-sensitivities and thought he might know what was going on. I told him about the computer and cell phone reactions, but nothing else, as I didn't think those things were pertinent. Wrong again.

He asked if I had a smart meter on the house.

I said, "Yes, but what does that have to do with it?" I thought he was changing the subject. He asked if I had any other symptoms and went down a list that included the ringing ears, sleeping problems, and more ... He said that a number of his patients were reporting these same symptoms after installation.

During the few days before I got into see this doctor, I wrote and called SDG&E, with a negative response to my requests to remove the smart meters.

While seeing the doctor, I was shocked to learn more about the new SDG&E meters, that they emitted pulsed RF radiation, something experts warn about, and that many other people in California had the same symptoms after installations of the meters. Further, my electric meter was right near the place where my head lay on the pillow, less than a foot, on the exterior wall. That was very unsettling.

But I felt confident that I could solve this problem as the doctor wrote me a letter that strongly demanded SDG&E remove the meter and replace with an analog as it was

causing medical problems for me. In addition, he cited the Americans With Disabilities Act, as I qualified for that category.

He provided me with a handful of current peer-reviewed scientific studies that showed this type of radiation and frequency was associated with the exact set of symptoms I had experienced.

I went home, letter and studies in hand, and filed a complaint with SDG&E and the California Public Utilities Commission (CPUC), attaching my doctor's letter.

My husband and I moved out of the master bedroom, temporarily, to wait for the meter to be removed. I bought shielding for my computer, to be able to use it.

Meanwhile, I made numerous calls to SDG&E. Some left me in tears. It was very troubling to be emphatically told by the SDG&E representatives over the phone that the meters were perfectly safe and were mandated by the state CPUC. I called the state CPUC and they claimed that the federal government was making them mandate these for the state.

Then, they changed their story. The CPUC admitted that it had authorized the use of wireless smart meters, not mandated them. SDG&E never backed down from their stance that everyone was going to have them, there was no "opting" out. I waited for my letters to be arrived and acted on.

Eventually, I received a reply, within a week from SDG&E and about a month or more from the CPUC. Both sent what appeared to be personalized form letters, both denied the possibility of harm from the meters, and both said there was no chance of having the meters removed from my home. I remember bursting into tears when reading these.

It was inconceivable to me that my home, my haven, would be polluted with dangerous radiation that was making me ill and no one in charge of these devices cared at all or would remove them. Ever. My doctor was shocked that they would ignore his letter.

As I researched this problem, for the first time in my life, I knew I was facing what seemed like a challenge without any recourse. And to top things off, the sensitivities to what turned out to be RF radiation, were getting worse by the month. I could not use my computer for several weeks, no more cell phone use, I had to strictly avoid all wireless and RF radiation sources.

My life seemed turned upside down. Headaches, when going near the electric meter, in particular, inside or outside, were progressing into the most severe I'd ever imagined, lasting for up to three days, with chills and dizziness, memory problems ... Sleeping problems continued, the ringing of the ears got more intense till the sound actually hurt and there was loud clicking in my right ear. I later learned this was called "microwave click" from RF radiation exposure.

During several weeks, pain in the right ear was like someone stabbing it. I went to the doctor a lot during this time, to my primary doctor and the environmental doctor, when I could.

Both were supportive and avoidance seemed to be their main suggestions. I stopped going in the master bedroom to obtain clothing and other belongings as needed. I had to ask other family members to get them and move them out into another room.

An ear, nose and throat doctor diagnosed me with significant hearing loss in the painful ear and hearing loss in both ears, noting that it was a result of exposure to electromagnetic fields. He commented that he had some other patients like this, and to avoid the meters. The ringing ears continued.

I was determined to get help, but must tell you how awful it felt to be dismissed so mercilessly by SDG&E and CPUC. It seemed like a living nightmare. I kept calling and writing SDG&E and CPUC, without any help being given. We were still living outside of our master bedroom and bathroom — and in a small house, this was causing problems.

After talking with a number of activists and experts, including scientists, around the state who had more information than me, I scheduled several consultations with electrical

engineers with a specialty in RF radiation. They advised that certain metals are what work to shield from the radiation.

A series of experiments resulted, with me trying out their suggestions, to see if anything worked. We shielded, following their directions, behind the meter on the interior wall. This gave relief from the shrill, high-pitched ringing that was painful, it reduced it to a lower level. We still could not occupy the bedroom.

In fact, things were getting worse for me by the month, as I would get an immediate headache and sinuses swelled shut, heart palpitations (typical of RF radiation reactions to overexposures), it seemed like my immune system was saying, "hey, stay away."

I was a slow learner. I remember trying about twelve times in three months to enter the room, running in for just seconds. Didn't work. Headaches for three days. Sick often and had to cancel activities.

I felt increasingly like this was incredible and there HAD to be a way to get this problem solved. Learned about many others, in fact, thousands and thousands of others had filed officially with CPUC on these very health issues related to the smart meters.

By March and April, I watched online as the ill ones went twice a month into the CPUC meetings and explained their symptoms in tears or anger to the very uncaring CPUC commissioners, in the one minute each was given. I cried with them, watching. I kept thinking, this cannot be happening in America. Then the thoughts came: We cannot let this keep happening in America.

Many Northern Californians knew about the problem of the smart meters and radiation — being more environmentally aware and not trusting PG&E, their local utility, after years of other types of problems, such as the poisoning of the town of Hinkley, CA (memorialized in the movie *Erin Brokovich*).

They had activists protesting smart meters, laying down in front of trucks sent out to install the meters, with news articles by the hundreds. In Northern California, I was

encouraged that local governments, inspired by passionate activists, became concerned about protecting the health and safety of their citizens and passed ordinances to ban or even criminalize the installation of smart meters.

The numbers grew - 20 - 30 - 40, including many major counties, such as Marin. There was even a smart meter bill in our state legislature, to effect a moratorium. As I suffered adjusting to the new life without use of my full home, and the changes in my health, I pondered all this.

Southern Californians didn't have anyone who knew anything, no media coverage except for glowing articles about how wonderful our lives would be with the new meters — straight from the utilities' brochures.

No one I knew was informed, and it was hard to explain so they would be. Who would think that a utility company would come on your property and install something dangerous and leave it there?

I learned how the mesh network of these meters emit so much radiation it is like a blanket on our neighborhoods and even the rural areas now have it, and at higher levels, as the signals are stronger to cover the distances. I learned that people with pacemakers and implants were at risk for rf radiation interfering with the functioning of their devices.

I wanted to feel well again. I was in a daily struggle. At the same time, I didn't want the state of California to be polluted with this new form of smog — electrosmog, impacting the public health, our pets, and wildlife.

I learned that a hundred million dollars of our Recovery Act funding had come down the pike quickly, funding much of the wireless meter development in a hasty manner, with environmental, health and safety testing waived by the CPUC. Recovery Act funds had paid for millions of meter readers to lose their jobs and the new meters to be made in China. That growing thousands of Californians were sick and some were worse off than me, even younger ones, with heart attack symptoms and more, die-offs being



reported in some areas. Government steadfastly refusing to help in our state and some others where smart meters were also being rolled out.

I began to get headaches from sleeping in the spare room at the end by the smart meter, so had to begin sleeping on the couch. My husband and I, together for nearly 40 years, no longer able to sleep together.

I learned to avoid the smart meter at all times, keeping at least 12-15-20 feet away, and not use 1/3 of my house or yard. I learned how to force myself to accept that for the time being, but not for the rest of my life. I felt improved by doing so, but still had lower level ringing in the ears, enough to wake me up at night, and some sleeplessness, dizziness, low-level headaches.

Other people had to be ill, too, in Southern California. They would never suspect the meters, as I had not.

I was trying to take care of myself while worrying about the bigger picture and public health problem. I learned of more people with very close exposures at night, on bedroom walls. Some of these were children, some I knew.

The So CA media I called were resistant to articles on the topic. I made a website and gathered the scientific information I was directed to by experts, placing it all in one place, [www.smartmeterdangers.org](http://www.smartmeterdangers.org). Less than ten people in our county knew something about the smart meter problems.

I was trying to live as normally as possible in the face of this challenge, but was now living in the middle of my home, away from both smart meters (one at each end). Something more had to be done. This could not become the new normal, even if people didn't realize the dangers.

Then, in the midst of this, I found out that Helix Water District planned (very soon) to cover its territory with water smart meters, adding to the radiation. They had a large pilot

study on Mt. Helix, 322 smart meters had been there for the past year. Of course, no one had been told of the risks.

My regular water meter was in the front of the house. When walking my dog, I'd be walking past all of the new smart meters they were planning to install. The water district assured me that it didn't matter as the radiation was low and wouldn't reach the house. I should stay inside all the time?

I'd heard of people abandoning their homes and going to live in their cars or tents in Northern California media stories, due to the radiation reactions. I didn't want to have this happen to me, here. The water meter would then potentially cause the middle of my home, the place I was occupying like a studio, to be unlivable.

This had to be stopped.

I nearly panicked but then realized I hadn't known in time to stop the deployment of the SDG&E meters, but I wasn't going to stand by while Helix Water District finished me off. I had to take a stand, and quickly.

Throughout all of this time, from early December through April, I kept thinking that this cannot happen in America. But it was. Something definitely had to be done, more, but what? I was struggling to stay well and struggling to figure out that answer.

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**SDG&E's answer to me:**

Susan Brinchman

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La Mesa, CA 91942

Re: Account #xxxxxxxxxxxxxxxxxx

December 13,2010

Dear Ms. Brinchman:

I want to follow up on the December 7, 2010 telephone call to you by my colleague Shannon Ray to discuss your request for San Diego Gas & Electric Company (SDG&E) to remove the electric smart meter installed at your home on May 6, 2010. Thank you for sharing your questions and concerns about SDG&E's smart meters. We understand from your telephone communications, and from the doctor's letter you faxed, that you are concerned that the radio frequency (RF) electromagnetic fields emitted from the smart meter wireless communication equipment could possibly contribute to your pre-existing health conditions. It is also our understanding that you declined SDG&E's offer to take measurements of RF from the smart meter at your home. *[Note: this is inaccurate, as I now do not trust SDGE, I did not want them INSIDE my home, they could measure from outside. sb]*

SDG&E is committed to providing safe and reliable service for our customers, as well as a safe work place for our employees. To this end, we monitor the science concerning possible effects of RF from smart meters. The information that SDG&E has reviewed from the scientific community and regulators has not identified that radio frequencies, at the levels emitted by the smart meters, can cause adverse health effects. Specifically, we understand from respected agencies such as the World Health Organization, the U.S. Federal Communications Commission, and the U.S. Food and Drug Administration, that there has been no demonstration of either long- or short-term health effects from RF exposure. Vole will continue to monitor the situation closely and respond as necessary to any new scientific information and studies released in the future.

As explained on SDG&E's Smart Meter website

(<http://www.sdge.com/smartmeter/faq.shtml>) the meters near your home transmit a radio frequency only a few times each day and only for a few seconds each time, for an average total of less than one minute. When the meters are transmitting, your exposure to RF from the smart meter is much lower than the exposure from energy than smart meters!

I also wanted to mention that the California Public Utilities Commission (CPUC) has directed SDG&E to install smart meters at the homes and businesses of all of our customers and has carefully considered any potential for smart meters to affect health. SDG&E is a regulated company and required to comply with the CPUC program. Also, the Americans with Disabilities Act mentioned by your doctor, does not require SDG&E to remove your smart meter. We received your letter to the CPUC Consumer Affairs Branch, dated December 8, 2010, and we agree that such a submission is the next appropriate step in resolution of your request for removal of the meter at your home. In this regard, SDG&E has carefully reviewed available factual information, and at this time respectfully declines your request to remove the smart meter at your home.

Sincerely,

Ted Reguly

Director

SDG&E's Smart Meter Program

[Enclosed]

Source: Richard Tell Associates. Inc

RF Energy Compared to a Smart Meter from 2 feet:

Microwave oven, two inches from door, 550 times more

Holding walkie-talkie at head, 55 – 4,600 times more

Cell phone at head, 3.2 -1.100 times more

Laptop computer, 1.1 – 2.2 times more

Wi-Fi cyber cafe, 1.1 – 2.2 times more

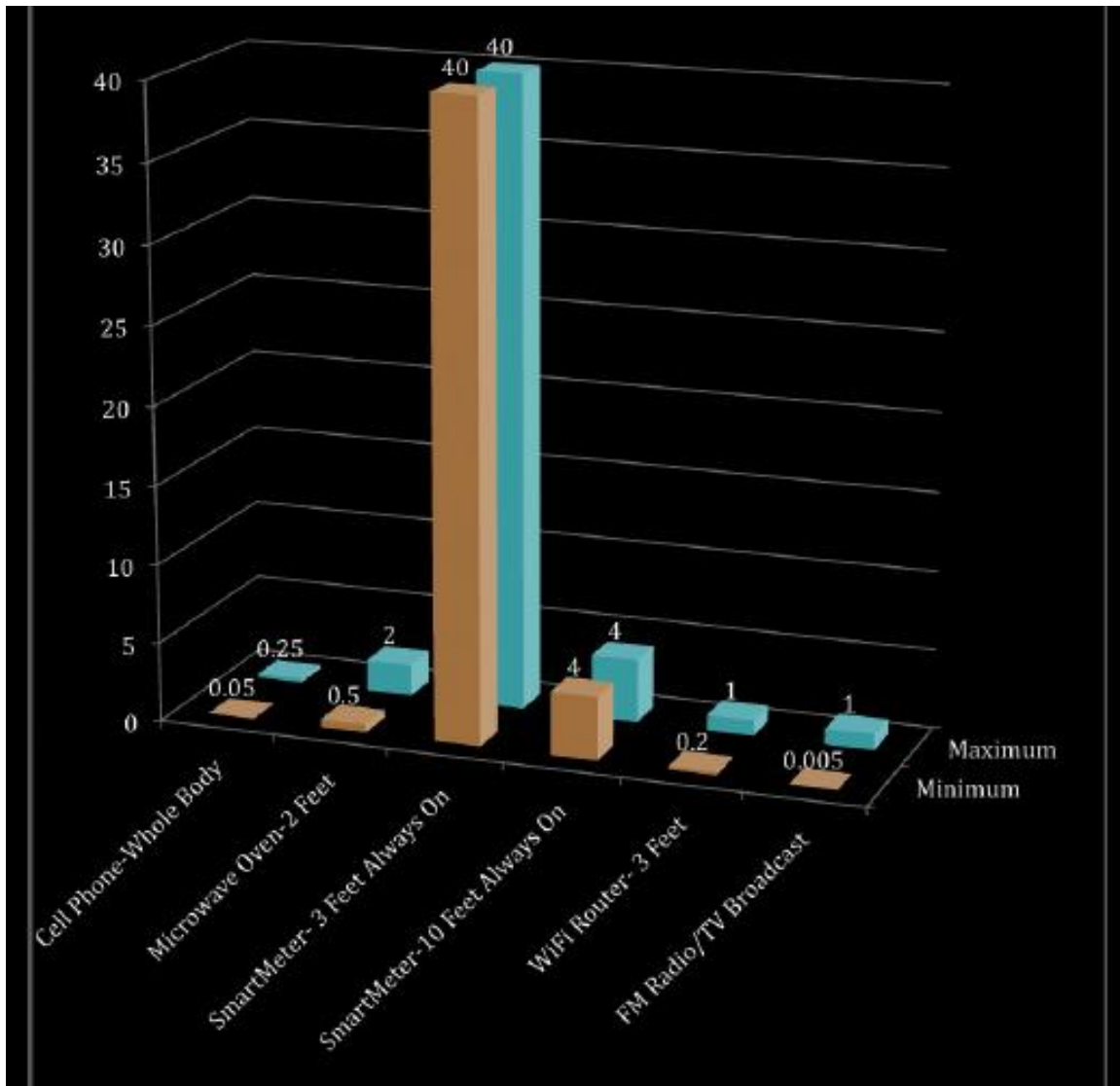
*[Note: The Smart Meter is inches from my head, not two feet. Also, I do not accept the above table, as no authoritative references are given, and it is too general. Nowhere are the technology effects for Smart Meters deemed safe. sb]*

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#### **4. Feb. 6, 2012 Update**

Since the above writing, the following has occurred:

5. There was no helpful response to me as an individual, with regards to the devastating and increasing illnesses occurring from exposure to smart meters and expanding to other devices that emit RF radiation, with any government entity, agency, or elected official, therefore...
6. I formed the Center for Electrosmog Prevention (CEP) in May, 2011, a national nonprofit to prevent and reduce electrosmog pollution. Website:  
[www.electrosmogprevention.org](http://www.electrosmogprevention.org)
7. CEP became (and remains) an "Intervenor", a Party to the California Public Utility Commission (CPUC) proceedings in CA related to the smart grid and opting out of smart meters.
8. I became aware that the chart used by SDG&E above was developed from industry sources and is misleading and incorrect. Actually, smart meters emit the RFR of up to 160 cell phones (Hirsch, UCSC, 2011), as they are on virtually 24.7, with dangerous pulsed radiation that there are no guidelines for.



(Daniel Hirsch, University of CA, Santa Cruz, Jan., 2011,

<http://www.scribd.com/doc/77657747/letter8hirsch>)

9. I personally became more and more sensitive and ill from the smart meters on my property (there were two, one gas and one electric at each end of the house, for two years, that communicated with each other, straight through my home, and with the others in the neighborhood), and also to all devices that emit RF radiation, including cell phones and Wi-Fi. After two years with two smart meters on my property, and blanketing my neighborhood, I am now highly sensitive to RF radiation and magnetic fields. I was not like this before the smart meters were installed.

10. This makes it very hard to go into public. I measure the RFR with a RF field meter so I can try to avoid it or go where the levels are reduced. Particularly Wi-Fi is a problem for me now. Smart meters use a Wi-Fi - like system, it should be noted.
11. Public transportation has Wi-Fi, RF/EMF's, and people using cell phones, so it is not able to be utilized.
12. I have had to stop using cell phones, remove all wireless from my home, and must shield my computer to use it. I cannot use a microwave now, nor be anywhere near them in use. When I am in line and cell phones are in use, I must get out of line or ask the person using the cell phone to stop using it, as they give me dizziness, nausea, and headaches. I cannot be in businesses where there is Wi-Fi, comfortably. I get sick from being there (headache, dizzy, nausea, heart pressure and skips). This includes Wi-Fi and RFR in doctors' offices and hospitals. There are wireless routers in grocery stores, strong radiation encountered in all public and business settings now. RFR measurements are even found to be strong on the sidewalk, in parks, and at the beach.
13. In May, 2012, I was able to obtain a paid "opt-out" from the 2 smart meters on my property, which were removed. I had to pay \$75 and \$10 a month (ongoing) to be in the "opt-out" program, mandated by the CPUC. Two of my neighbors on our cul-de-sac have opted out - one of these has bone cancer and is very concerned about these exposures, as he understands that RFR is associated with DNA breakage and disrepair. Another neighbor had developed headaches and opted out to try to relieve these. The other two have not opted out, and our entire neighborhood is full of smart meters and the mesh network, with significant levels of measurable RF radiation - hundreds of times higher than recommended by independent scientists - which impacts my property and me, when I am here or walk down the street, or drive through it. Many of my neighbors, like me, have (had) the smart meters on their bedroom walls or the smart meters of neighbors aimed at their bedrooms.

14. I cannot go in my neighbors' homes with smart meters, without reactions or risk of reactions. There are measurable (and measured) RF and EMF emissions coming into my home on the wiring from the smart meter network in the neighborhood. I cannot sleep in my own bedroom as a result, as the electric panel is on the bedroom wall and emissions are concentrated in there from the wiring. I get ill going into my bedroom now, but less ill than when the smart meters were in place, there is a reduction of about 50%.
15. I have slept on the couch for two years and two months now, and am uncomfortable every night. It makes my back ache and I toss and turn to get comfortable. My husband and I of forty years remain very distressed about this interference with our ability to sleep together. Due to my sensitivities, and the bedrooms being where RFR and the majority of the electrical and magnetic fields in the home are found, I cannot sleep elsewhere in the home.
16. There are some nights I awaken at 2, 3 or 4 AM and cannot get back to sleep - wide awake, this is what results from RF exposures and the mesh network sending data in the early hours of the AM.
17. The smart meter opt-out has reduced some of my suffering but not all of it, as I am permanently, it would seem, sensitized now, to RF radiation.
18. I have nowhere that I can go, no place to live free of RF radiation, as FCC guidelines are allowing it to be everywhere, via cell towers, smart meters in all our states, cell phones being used everywhere, wifi in all businesses and medical establishments.
19. I have health impacts that I never had before. These lead to dizzy spells resembling strokes, heart palpitations and arrhythmias that last up to three weeks following strong exposures, headaches, nausea, and ringing in the ears (which is normally less than when the smart meters were on the house but with RF exposure can go up). I have unprecedented and new skin cancers that began four months after the smart



meters were installed, that continue to proliferate. My hair is falling out. There have been weeks at a time where I feel so ill that I have felt that I could die - as when my heart was impacted for three weeks.

20. I am aware that cell towers and smart meter emissions are going UP, due to increasing strength of the signals and adding more infrastructure. I am aware that cell phones are increasingly stronger. I am aware that SDG&E, my utility, is turning on a second radio in the smart meters, a Zigbee transceiver that operates at 2.45 GHz, the same range as microwave ovens, that will communicate with all wireless enabled household appliances in the Home Area Network (HAN), filling the homes and the community with yet more pervasive frequencies of microwave radiation, provided to an unsuspecting public. I am aware that FCC is releasing thousands of new frequencies that are not proven safe and very likely can never be safe, to business entities. I am aware that the White House and President Obama, based no doubt on the current grossly inaccurate FCC guidelines, thinks these technologies are safe and beneficial. We are being experimented on in a manner that is torturous, horrific, and can lead to the end of humanity, and all life on earth.
21. Everywhere I go I see babies, toddlers, children, teenagers, pregnant women, men, women, senior citizens and the elderly playing with or using cell phones and other devices like notebooks. They are enthralled by and addicted to these new wireless technologies which are dangerous for them as well as others, with the second-hand RF radiation that they emit - based on thousands of RFR studies.
22. Some of my personal friends have had young adult children, grandchildren, or spouses die from glioma tumors related to their cell phone use.
23. I know a teenager who could not sleep at night and was unable to concentrate in school until the smart meters were removed from his property. Now he can sleep and is doing much better in school.

24. I know a young adult who was hospitalized, quite unusually, three times for psychosis despite being on medications that normally worked, and only got better after the smart meters were removed from the property. The downspin began after the smart meters were installed.
25. I know a married couple in their early 40's who both developed glaucoma with a year after the smart meters were installed on their home. They are also now sensitized to RFR and have moved a score of times to try to find relief and safety.
26. I know a dentist who is going blind following the smart meter installation in her neighborhood. When she is around the smart meters or in her home, her vision loss is extreme. When she is out of the area and in a rural setting, the vision problem is less extreme.
27. I know of a local physician who is very talented and world renowned in her field who is so sensitive to RFR now that she struggles to go to work.
28. I know a university professor who is on disability leave due to the smart meter installations in her neighborhood.
29. I know an attorney who is unable to practice due to RFR sensitivities and illness. The installation of more cell towers, and smart meter mesh network has exponentially increased her suffering.
30. I know teachers and parents concerned about the Wi-Fi and other RFR sources in their schools. I know that if I had a child of school age I would NOT allow him/her to attend a school with Wi-Fi, wireless enabled computers, or wireless-enabled whiteboards.
31. I measured our local library, part of an "award-winning" San Diego County library system (due to installation of RFID systems and Wi-Fi) and found that places where

children and pregnant mothers were found contained emissions 300,000 times higher than the biologically-based levels recommended by independent researchers and BioInitiative 2012 authors. Those emissions greatly sickened me for many weeks following the measurements, lasting only 45 minutes.

32. I have family members who live elsewhere, whose lives I fear for. I do not think that they will have healthy lives as they use cell phones often, and live with all the RF exposures in their own communities and homes. I know that the research supports that they will have a significant increase in cancer risk and that their sperm is likely being damaged and mutated. I fear for my future grandchildren, that they may be born disabled (autistic, etc.) or with cancer - and that due to what I have learned from reading RFR and infertility studies, they may end up infertile.
33. I have communicated with thousands of people with the same concerns and who are sick from RFR. They also have nowhere to go. Some have moved 12 or more times. They are in despair. Some are homeless, even though they have a home, it has become unlivable. Some are now at the point of complete disability, or near death. Before the recent wireless craze hit, they were normal and functioning normally.
34. As a former special education teacher, I am very concerned about the future of our nation as we exponentially add to the numbers of disabled and medically ill. This will become untenable and destructive to our nation and national security.
35. I realize that our federal government is failing to protect the people of the United States. I realize that internal corporate greed and the federal lack of a desire to protect our citizens is more dangerous than any outside attack on our nation.
36. I realize that the US EPA and CDC feel they have no permission to explore these problems, as I have communicated with both agencies on this topic. Also that some of their personnel are either completely "bought and paid for" by the Industries that benefit from ignoring science, or are hopelessly prejudiced against the (new) and

correct paradigm, that RFR is dangerous. They refuse to consider the independent science.

37. I am aware that this is very similar to the set of circumstances experienced with the dangers of ionizing radiation, which took 50 + years to protect the public from, even after reports of and research documenting serious health impacts and bio-effects such as burning of tissues.

38. I am aware that the US Dept of Energy is handing out billions of dollars, with the approval of President Obama and the US Congress, to foster development of a wireless electrical grid that exposes all Americans to extremely dangerous levels of RFR. Their justification is the current (grossly inaccurate) FCC guidelines.

39. I am aware that the military has research proving that exposures to microwave radiation produces all the health impacts and bio-effects that people are complaining about with RFR and that this type of RFR exposure is used in weaponry as a result. I have written [Revealed: SDG&E Smart Meter Technical Data and Bio-Effects](#) to document this, linking a military report to SDG&E data. It includes the following:

"A recently declassified U.S. Army scientific study[21] on the bio effects of radiofrequency microwave radiation for the purposes of the development of new weaponry and behavioral control (currently in use by military and police) reveals that microwave radiation exposures have been linked to a large number of biological and health effects.

Many of the effects they note are virtually identical to the unusual clusters of health complaints of people (also related to reactions of their pets) following the installation of smart meters, routinely denied by the state utility regulatory commission (CPUC) and utilities.

These include increased aggression and irritability, inhibition of food and drink intake, increased mobility or conversely, incapacitation via loss of muscle control, muscle weakness, intense muscle spasms, loss of consciousness; cognitive effects such as loss of memory and confusion; microwave hearing (buzzing, ticking, hissing, or knocking sounds that originate within the head or behind it), and even damage to multiple organs or the brain, seizures (convulsions), and death.

This study clearly supports that subtle heating of tissue does occur with radiofrequency microwave radiation, associated with these undesirable and potentially very dangerous biological effects.

Importantly, U.S. Army scientists agree with a growing number of independent scientists worldwide, in emphatically stating that 100% of the human population is susceptible to radiofrequency microwave radiation effects, caused by subtle heating, with some sectors of the population more reactive at lower doses, including those with thermoregulatory mechanisms (impacting temperature control, respiration, water loss).

[I should note that I am one of these persons, with asthma and temperature regulation problems. One may contemplate whether those on certain medications that impact temperature regulation and sweating might also fall into these categories.]

Significantly, likely pertaining to the ringing of ears (tinnitus) that people experience with smart meters, the U.S. Army study says this, with regard to exposure to pulsed microwave radiation: “At this time, virtually all investigators have studied the [microwave hearing, acoustic] phenomenon now accepted as thermoelastic expansion of the brain, the pressure wave of which is received and processed by the cochlear microphonics system, to be the mechanism of acoustic perception of short pulses of rf energy” (p. 8 of 20).

Notably, in one study, this microwave hearing was triggered through exposure to 2450 MHz radiofrequency energy, which is exactly one of the radiofrequencies used by antennas contained within current smart meters. “The sounds are heard as the individual pulses are absorbed. The effect is immediate, within milliseconds” (p.9 of 20). Army scientists describe a range of sensitivity, with some people unable to hear it, possibly due to cochlear damage.”

[\[2\]](#) Bio Effects of Nonlethal Weapons (fn 1) addendum to the Nonlethal Technologies \* Worldwide (Ne GIC-II 47-101-98s)

([http://lamesa.patch.com/blog\\_posts/revealed-sdge-smart-meter-technical-data-and-bio-effects-of-microwave-radiation](http://lamesa.patch.com/blog_posts/revealed-sdge-smart-meter-technical-data-and-bio-effects-of-microwave-radiation))

40. I request that the FCC put the public health first, reduce the limit for RF radiation to be in alignment with the BioInitiative 2012 Report, and enforce it. That limit would be 3 microwatts per centimeter squared.

41. I request that the FCC consider cumulative exposures and additive exposures, and warn the public. I request that the FCC put out a recall for all wireless devices and the removal of all smart meters, Wi-Fi, and cell towers and antennas, as none are safe according to the findings of independent researchers. We must use the former safe technologies and then find new alternative technologies proven safe before unleashing them.
42. We must take these steps or we will be truly lost as a nation and as a global web of life.

Respectfully submitted by

A handwritten signature in black ink that reads "Susan M. Brinchman". The signature is written in a cursive style and is set against a light gray, textured rectangular background.

Susan Brinchman

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February 5, 2013